

# Work Order ID 72580

Tuesday, August 02, 2011 1:51:21 PM



Page 1

Item ID: D412-760-911

Accept



Setup Start



Revision ID:

Stop



Item Name: Cargo Floor Protector (205/210/212)

Start Date: 8/2/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 8/9/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

*Handwritten signature*

Date: 11-08-12

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

DSI 9487

A

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPP D412-760-911/DSI9487 CHG001

*Handwritten signature*

*Handwritten: 11-8-17*

110

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

*Handwritten: 11/8/17*

120

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

*Handwritten signature*

*Handwritten: (f)*

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

**Work Order ID 72580**

Page 2

Tuesday, August 02, 2011 1:51:22 PM

Item ID: D412-760-911

Accept



Setup Start



Revision ID:

Stop



Item Name: Cargo Floor Protector (205/210/212)

Start Date: 8/2/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 8/9/2011 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

| Sequence ID/<br>Work Center ID | Operation<br>Description                                       | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 130                            |  | 0.00                 |         |        |              |               |               |                  |                |
|                                | Packaging  |                      |         |        |              |               |               |                  |                |
| Packaging                      | Memo   | 0.00                 |         |        |              |               |               |                  |                |
| Packaging                      | Identify and pack for shipping as per PPP D412-760-911/DSI9487 |                      |         |        |              |               |               |                  |                |
|                                | Location: _____  |                      |         |        |              |               |               |                  |                |
|                                | PPP Rev: <u>draft</u>  |                      |         |        |              |               |               |                  |                |
| 140                            |  | 0.00                 |         |        |              |               |               |                  |                |
|                                | QC21- Final Inspection - Work Order Release                    |                      |         |        |              |               |               |                  |                |
| QC                             | Memo   | 0.00                 |         |        |              |               |               |                  |                |
| Quality Control                |  |                      |         |        |              |               |               |                  |                |

11/8/10

11/8/10

11-08-19

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

# Picklist Print

Tuesday, August 02, 2011 1:51:28 PM

Page 1

Work Order ID: 72580

Parent Item: D412-760-911

Parent Item Name: Cargo Floor Protector (205/210/212)

Start Date: 8/2/2011

Required Date: 8/9/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: Ipp RevB 11.07.26 per NCR 11-624 EC verified by:JLM

| Component Item ID/<br>Item Name    | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|------------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| 5 D3876-11<br>Protector - Floor    |                        | Manufactured  | No          |                     |                  |                 | Each               | 0.0000         | 1           | 1            |               |                |        |
| 5 D3575-1<br>Cabin Floor Protector |                        | Manufactured  | No          |                     |                  | 110             | Each               | 0.0000         | 1           | 1            |               |                |        |
| 5 D3575-2<br>Cabin Floor Protector |                        | Manufactured  | No          |                     |                  | 110             | Each               | 0.0000         | 1           | 1            |               |                |        |
| 6 D3580-1<br>Joggle Bracket        |                        | Manufactured  | No          |                     |                  | 110             | Each               | 179.0000       | 6           | 6            |               |                |        |

Location Loc Qty Loc Code

ST068

179

62223

15

63042

6

63224

98

69696

60

Manufactured No

110

Each

627.0000

14

14

D3628-1



Cupped Washer

Location

Loc Qty

Loc Code

ST071

127

63041

127

ST072

500

71424

500

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries

# Picklist Print

Tuesday, August 02, 2011 1:51:28 PM

Work Order ID: 72580

Parent Item: D412-760-911

Parent Item Name: Cargo Floor Protector (205/210/212)

Start Date: 8/2/2011

Required Date: 8/9/2011

Start Qty: 1.00

Required Qty: 1.00

D3952-1

Manufactured No

110

Each

10.0000

1



Placard



1

Location

Loc Qty

Loc Code

ST096

10

68932

10

80-004-2-6

Purchased

No

110

Each

107.0000

8



Insert



8

Location

Loc Qty

Loc Code

ST377

107

117730

7

118177

100

NAST1149D0363J

Purchased

No

110

Each

2,572.000

12



Washer



12

Location

Loc Qty

Loc Code

ST298

2572

117505

202

117601

370

118077

2000

MS24694-S54

Purchased

No

110

Each

154.0000

6



Screw



6

Location

Loc Qty

Loc Code

ST289

104

117460

4

118078

100

ST289A

50

117677

50

4

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

**NOTE:** Date & initial all entries



# Picklist Print

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Tuesday, August 02, 2011 1:51:29 PM

Work Order ID: 72580



Parent Item: D412-760-911



Parent Item Name: Cargo Floor Protector (205/210/212)

Start Date: 8/2/2011

Required Date: 8/9/2011

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-04

Purchased

No

110

Each

135.0000

8

8



SCREW



11/8/17

Location

Loc Qty

Loc Code

ST291

135

115006

35

117591

100

8

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-760 REV. D  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-760 REV. 3  
REF CANADIAN STC: SH07-37  
FAA STC: SR02492NY  
EASA STC: EASA.IM.R.S.01361

REFERENCE ONLY

## Purpose:

The purpose of this DSI is to add the D412-760-911/-913 Cargo Floor Protector Kits and D412-760-921/-923/-925 Cargo Area Protector Kits to assist operators in meeting USFS Contract Requirements. D412-760-911/-913 are shown in Figure 1 and D412-760-921/-923/-925 are shown in Figure 2.

## Part List:

| -911 | -913 | -921 | -923 | -925 | Part Number   | Description                             |
|------|------|------|------|------|---------------|---|
| X    |      |      |      |      | D412-760-911  | Cargo Floor Protector Kit (205/210/212) |
|      | X    |      |      |      | D412-760-913  | Cargo Floor Protector Kit (412)         |
|      |      | X    |      |      | D412-760-921  | Cargo Area Protector Kit (205/210)      |
|      |      |      | X    |      | D412-760-923  | Cargo Area Protector Kit (212)          |
|      |      |      |      | X    | D412-760-925  | Cargo Area Protector Kit (412)          |
| 1    |      | 1    | 1    |      | D3575-1       | Cabin Floor Protector                   |
| 1    |      | 1    | 1    |      | D3575-2       | Cabin Floor Protector                   |
|      | 1    |      |      | 1    | D3575-5       | Cabin Floor Protector                   |
|      | 1    |      |      | 1    | D3575-6       | Cabin Floor Protector                   |
| 6    | 6    | 6    | 6    | 6    | D3580-1       | Joggle Bracket                          |
| 14   | 14   | 18   | 18   | 18   | D3628-1       | Cupped Washer                           |
| 1    | 1    | 1    | 1    | 1    | D3876-11      | Floor Protector                         |
|      |      | 1    | 1    | 1    | D3876-3       | Forward Wall Protector                  |
|      |      | 1    | 1    | 1    | D3933-1       | LH Aft Cabin Wall Protector             |
|      |      | 1    | 1    | 1    | D3933-2       | RH Aft Cabin Wall Protector             |
|      |      |      | 1    | 1    | D3935-1       | LH Pylon Protector                      |
|      |      |      | 1    | 1    | D3935-2       | RH Pylon Protector                      |
|      |      | 1    |      |      | D3935-3       | LH Pylon Protector                      |
|      |      | 1    |      |      | D3935-4       | RH Pylon Protector                      |
|      |      | 14   | 14   | 14   | D3942-1       | Angle                                   |
|      |      | 10   | 10   | 10   | D3942-3       | Clip                                    |
| 1    | 1    | 1    | 1    | 1    | D3952-1       | Placard                                 |
| 8    | 8    | 12   | 12   | 12   | 80-004-2-6    | Insert                                  |
| 12   | 12   | 12   | 12   | 12   | NAS1149D0363J | Washer (AN960JD10)                      |
| 6    | 6    | 6    | 6    | 6    | MS24694S54    | Screw                                   |
| 8    | 8    | 12   | 12   | 12   | MS27039-1-04  | Screw                                   |
|      |      | 4    | 4    | 4    | MS27039-4-10  | Screw                                   |
|      |      | 6    | 6    | 6    | MS27039-4-14  | Screw                                   |
|      |      | 6    | 6    | 6    | MS27039-5-08  | Screw                                   |
|      |      | 8    | 8    | 8    | MS27039-5-12  | Screw                                   |




All parts to be installed per the corresponding Sections of IIN-D412-760 and maintained per ICA-D412-760.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 09.10.20  
CERT. NO.: SH07-37  
ISSUE NO.: 1

|            |   |   |              |
|------------|---|---|--------------|
| A          | NEW ISSUE   | RF  | 09.10.20     |
| REV.       | DESCRIPTION   | BY  | DATE         |
| DESIGN     | DS  | DART AEROSPACE LTD  |              |
| DRAWN      | RF  | HAWKESBURY, ONTARIO, CANADA   |              |
| CHECKED    |  | DRAWING NO.   | REV. A       |
| MFG. APPR. | N/A   | DSI 9487  | SHEET 1 OF 4 |
| APPROVED   |  | TITLE   | SCALE        |
| DE APPR.   |  | FLOOR/CARGO AREA PROTECTOR KIT  | NTS          |
| DATE       | 09.10.20  | COPYRIGHT © 2009 BY DART AEROSPACE LTD<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD |              |